

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| L1    | 103    | 348/333.03.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/09/17 10:58 |
| L2    | 10     | 348/333.03.ccls. and outline                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/09/17 11:06 |
| L3    | 11     | (id or identification or identif\$3) with frame with outline.clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/09/17 11:07 |
| L4    | 1      | display\$3 with detect\$3 near3 area with outline.clm.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/09/17 11:09 |
| L5    | 1      | detect\$3 with outline near3 figure with area.clm.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/09/17 11:09 |
| L6    | 1      | 3 and 4 and 5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/09/17 11:10 |
| L7    | 465599 | Kim-(Min-Ju).in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/09/17 11:10 |
| L8    | 2      | Kim with (Min-Ju).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/09/17 11:13 |
| L9    | 5      | delet\$3 with background with insert\$3.clm.                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/09/17 11:14 |

## EAST Search History

| Ref # | Hits    | Search Query   | DBs                                       | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---|------------------|---------|------------------|
| S1    | 2       | "20040100572".pn.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2007/09/17 10:58 |
| S2    | 2       | "6366316".pn.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2007/06/13 09:58 |
| S3    | 67      | ((ID or identification)adj photograph)                             | USPAT                                     | OR               | OFF     | 2007/01/17 09:06 |
| S4    | 22      | ((ID or i5identification)adj photograph)<br>same camera            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2007/01/17 09:07 |
| S5    | 80      | ((ID or identification)adj photograph)<br>same camera              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2007/01/17 09:07 |
| S6    | 10      | S5 same method   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2007/01/17 09:08 |
| S7    | 0       | edge\$1detection same ((ID or<br>identification)adj photograph\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2007/01/17 09:47 |
| S8    | 0       | edge\$1detection same ((ID or<br>identification)adj photograph)    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2007/01/17 09:47 |
| S9    | 3697342 | edge\$1 detection same ((ID or<br>identification)adj photograph)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2007/01/17 09:48 |
| S10   | 130621  | S9 same ((digital or electronic) or<br>camera)                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2007/01/17 09:49 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S11 | 2008 | S9 same ((digital or electronic)adj camera)     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 09:50 |
| S12 | 845  | S11 and frame and (object or figure)            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 09:50 |
| S13 | 799  | S12 and (background)                            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 10:02 |
| S14 | 336  | (ID or identification)adj photograph            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 10:03 |
| S15 | 91   | S14 and ((digital or electronic) adj camera)    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 10:21 |
| S16 | 501  | 348/333.01.ccls.                                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 10:21 |
| S17 | 0    | S16 same ((id or identification)adj photograph) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 10:22 |
| S18 | 1    | S16 and ((id or identification)adj photograph)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 10:22 |
| S19 | 407  | S16 and (frame or outline or detect\$3)         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 10:23 |
| S20 | 255  | S19 and ((digital or electronic)adj camera)     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 10:51 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S21 | 134  | (chroma adj key) and (extract same (object or subject or background)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 17:31 |
| S22 | 2380 | (382/199,266,268).ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 12:49 |
| S23 | 0    | S22 and ((id or identification)adj photograph)                        | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 12:50 |
| S24 | 673  | (348/586-588).ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 18:05 |
| S25 | 46   | S24 and (digital adj camera)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 15:16 |
| S26 | 4    | ("20020171746" "20050007468" ).pn.                                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 15:51 |
| S27 | 4328 | image near template   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 15:52 |
| S28 | 623  | S27 and (digital adj camera)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 15:52 |
| S29 | 560  | S28 and (background or foreground)                                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 15:53 |
| S30 | 380  | S29 and (detect\$3)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/01/17 16:50 |

## EAST Search History

|     |         |   |   |    |     |                  |
|-----|---------|---|---|----|-----|------------------|
| S31 | 4       | ("20060197851" "5477264").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/17 16:51 |
| S32 | 172     | ("5477264").URPN.   | USPAT   | OR | OFF | 2007/01/17 16:54 |
| S33 | 21      | ("4500183"   "4524381"   "4574319"   "4728978"   "4853733"   "4855779"   "4994844"   "5016107"   "5018017"   "5023637"   "5027214"   "5032855"   "5070355"   "5086311"   "5103250"   "5138459"   "5142310"   "5153729"   "5155513"   "5226145"   "5262868").PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/01/17 16:57 |
| S34 | 8       | ("5708883" "5734794" "5906005" "6061532" "6433784" "6434278" "6606117" "6894686").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/01/17 17:30 |
| S35 | 539     | (template or guide or outline) same (detect\$3 adj area)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/17 17:32 |
| S36 | 17      | S35 and (digital adj camera)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/17 17:40 |
| S37 | 42479   | object adj detect\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/17 17:40 |
| S38 | 1266    | S37 and digital adj camera  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/17 17:40 |
| S39 | 1       | S38 and (background near insert\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/17 17:45 |
| S40 | 5413125 | edge\$1 detect  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/17 17:45 |

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|     |         |   |   |    |    |                  |
|-----|---------|---|---|----|----|------------------|
| S41 | 7138655 | edge\$1 detect\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/17 17:46 |
| S42 | 59239   | S41 and (background same<br>(separat\$3 or replac\$5 or insert\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/17 17:51 |
| S43 | 33      | S42 and (outline adj detect\$3)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/17 17:56 |
| S44 | 2       | "20040051795".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/17 18:03 |
| S45 | 1747    | S41 and image adj template  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/17 18:04 |
| S46 | 0       | Kim with Win-Ju.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/18 08:31 |
| S47 | 0       | Kim with (Win-Ju).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/18 08:31 |
| S48 | 0       | Kim same (Win-Ju)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/18 08:32 |
| S49 | 10      | (detection adj area) same (image near<br>template)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/18 08:48 |
| S50 | 1510    | 382/199.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/18 10:39 |

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|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S51 | 43   | S50 and (image adj template)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/18 08:49 |
| S52 | 41   | S51 and (area or detect\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/18 09:04 |
| S53 | 434  | S50 and (id or identification)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/18 09:04 |
| S54 | 28   | S53 and (image adj template)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/18 10:16 |
| S55 | 2    | "6999114".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/18 10:16 |
| S56 | 14   | ("4262301"   "4937676"   "5032911"   "5050001"   "5128773"   "5742373"   "5754305"   "5802413"   "5822637"   "5894326"   "5920298"   "5946031"   "6205294"   "6396565").PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/01/18 10:20 |
| S57 | 1284 | S50 and (edge\$1 detection)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/18 10:40 |
| S58 | 22   | S57 and (detection adj area)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/18 10:40 |
| S59 | 336  | (Id or identification)adj photograph  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/18 14:02 |
| S60 | 0    | ("2003/0156199").URPN.  | USPAT   | OR | OFF | 2007/01/18 12:38 |
| S61 | 0    | ("2003/0156199").URPN.  | USPAT   | OR | OFF | 2007/01/18 12:39 |
| S62 | 485  | 348/207.99.ccls.  | USPAT   | OR | OFF | 2007/01/18 12:39 |

## EAST Search History

|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S63 | 4      | ("6999113""5923380").pn.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/01/18 14:03 |
| S64 | 0      | Kim with Min-ju.xa.                    | USPAT   | OR | OFF | 2007/06/12 16:20 |
| S65 | 0      | Tuan-Le.xa.                            | USPAT   | OR | OFF | 2007/06/12 16:24 |
| S66 | 8      | Le-tuan.xa.                            | USPAT   | OR | OFF | 2007/06/12 16:24 |
| S67 | 0      | Kim-Min-ju.xa.                         | USPAT   | OR | OFF | 2007/06/12 16:25 |
| S68 | 0      | Kim with (Min-ju).xa.                  | USPAT   | OR | OFF | 2007/06/12 16:25 |
| S69 | 2      | "20040100572".pn.                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/06/12 16:30 |
| S70 | 338706 | Kim.in.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/06/12 16:31 |
| S71 | 2      | Kim near Min-Ju.in.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/06/12 16:31 |
| S72 | 4      | "6907136".pn.                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/06/12 17:19 |
| S73 | 381    | gradation adj difference               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/06/12 17:19 |
| S74 | 201    | S73 and pixel                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/06/12 17:23 |
| S75 | 240    | pixel same (gradation near difference) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/12 17:24 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S76 | 134  | pixel same (gradation adj difference)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/12 17:25 |
| S77 | 1    | S76 and ID   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/12 17:25 |
| S78 | 37   | S76 and camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 06:10 |
| S79 | 2    | "06319130".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/12 17:37 |
| S80 | 2    | "6366316".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/12 17:37 |
| S81 | 3    | (detect\$3 near area) same (reference<br>near outline) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 06:11 |
| S82 | 9536 | (image\$1 or picture\$1) near3<br>template             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 06:12 |
| S83 | 2    | S82 and (reference adj outline)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:54 |
| S84 | 522  | detect\$3 near3 (outline near3 image)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 06:15 |
| S85 | 292  | S84 and reference                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 06:16 |

## EAST Search History

|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S86 | 241   | S85 and area   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 06:16 |
| S87 | 131   | S86 and (frame)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 06:16 |
| S88 | 17    | S87 and gradat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 06:20 |
| S89 | 17    | S88 and (pixel or camera)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 06:20 |
| S90 | 17    | S88 and (pixel)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 06:28 |
| S91 | 14910 | (ID or identification) same (image or picture) same (outline or frame)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 06:29 |
| S92 | 996   | S91 and (detect\$3 near3 area)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 06:31 |
| S93 | 39    | S92 and gradat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 07:07 |
| S94 | 4     | "6907136".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 06:41 |
| S95 | 12    | ("5012522"   "5459586"   "5715325"   "5781665"   "5859921"   "5923788"   "5960126"   "6035074"   "6266129"   "6389155"   "6526161"   "6654506").PN. OR ("6907136").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/13 06:46 |

## EAST Search History

|      |       |  |   |    |    |                  |
|------|-------|--|---|----|----|------------------|
| S96  | 118   | ID and (gradation near3 difference)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:08 |
| S97  | 40    | S96 and camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:10 |
| S98  | 1369  | detect\$3 with ((image or picture or frame)near3 template) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:11 |
| S99  | 140   | S98 and (ID or identification)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:11 |
| S100 | 92    | S99 and camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:11 |
| S101 | 9     | S100 and gradat\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:19 |
| S102 | 6     | outline same (gradation adj difference)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:21 |
| S103 | 2     | "5923380".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:42 |
| S104 | 19707 | camera with ((edge or outline)adjdetect\$3)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:43 |
| S105 | 814   | camera with ((edge or outline)adj detect\$3)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:43 |

## EAST Search History

|          |       |   |   |    |    |                  |
|----------|-------|---|---|----|----|------------------|
| S10<br>6 | 0     | S100 and (gradat\$3 adj difference)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:44 |
| S10<br>7 | 0     | S105 and (gradat\$3 adj difference)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:44 |
| S10<br>8 | 32896 | edge adj detect\$3                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:45 |
| S10<br>9 | 437   | S108 and (ID with card)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:45 |
| S11<br>0 | 310   | S109 and frame                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:45 |
| S11<br>1 | 157   | S110 and template                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:46 |
| S11<br>2 | 144   | S111 and edit\$3                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:46 |
| S11<br>3 | 141   | S112 and camera                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:51 |
| S11<br>4 | 0     | S113 and gradat\$3                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:47 |
| S11<br>5 | 13590 | (detect\$3 near3 (reference near\$3 outline))and ID | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 07:53 |

## EAST Search History

|          |       |   |   |    |     |                  |
|----------|-------|---|---|----|-----|------------------|
| S11<br>6 | 158   | detect\$3 and (reference adj outline)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 07:54 |
| S11<br>7 | 30    | detect\$3 same (reference adj outline)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 08:56 |
| S11<br>8 | 12    | S117 and camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 07:55 |
| S11<br>9 | 7     | ("5933527"   "6016148"   "6046744"  <br>"6256039"   "6381346"   "6456287").<br>PN. OR ("6879323").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/13 08:50 |
| S12<br>0 | 333   | (edge adj detect\$3) same kernel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/06/13 08:52 |
| S12<br>1 | 389   | (edge adj detect\$3) same kernel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 08:52 |
| S12<br>2 | 0     | S121 and (gradat\$3 near3 difference)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 08:53 |
| S12<br>3 | 105   | S121 and camera and ID  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 08:53 |
| S12<br>4 | 51996 | "105" and template  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 08:53 |
| S12<br>5 | 64    | S123 and template   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/13 08:55 |

## EAST Search History

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S12<br>6 | 1904 | gradat\$3 near3 difference                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 08:55 |
| S12<br>7 | 424  | gradat\$3 adj difference                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 08:56 |
| S12<br>8 | 4    | (gradat\$3 adj difference) with outline      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 08:57 |
| S12<br>9 | 424  | (gradat\$3 adj difference)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 08:57 |
| S13<br>0 | 90   | (gradat\$3 adj difference) same<br>detect\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 08:57 |
| S13<br>1 | 26   | S130 and camera                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 08:59 |
| S13<br>2 | 17   | S131 and pixel                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 08:59 |
| S13<br>3 | 4    | "6907136".pn.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 10:48 |
| S13<br>4 | 2    | "5923380".pn.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 12:24 |
| S13<br>5 | 133  | pixel same (gradat\$3 adj difference)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 12:25 |

## EAST Search History

|          |       |  |   |    |    |                  |
|----------|-------|--|---|----|----|------------------|
| S13<br>6 | 36    | S135 and camera                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 12:26 |
| S13<br>7 | 6     | S136 and edge                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13 12:26 |
| S13<br>8 | 30    | detect\$3 same (reference adj outline)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 08:56 |
| S13<br>9 | 30    | S138   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 08:59 |
| S14<br>0 | 13725 | detect\$3 near3 figure                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 08:59 |
| S14<br>1 | 1     | S140 same (pixel with (gradat\$ adj difference)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:01 |
| S14<br>2 | 2866  | S140 and ID                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:01 |
| S14<br>3 | 223   | S142 and outline                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:01 |
| S14<br>4 | 55    | S143 and camera                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:04 |
| S14<br>5 | 21    | S144 and ccd                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:05 |

## EAST Search History

|          |       |  |   |    |     |                  |
|----------|-------|--|---|----|-----|------------------|
| S14<br>6 | 432   | (detect\$3 near2 area)same (outline)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 09:06 |
| S14<br>7 | 71    | S146 and ccd   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 09:12 |
| S14<br>8 | 25354 | (ID or (identification))same photograph\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 09:13 |
| S14<br>9 | 9571  | S148 and (outline or frame)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 09:14 |
| S15<br>0 | 593   | S149 and (detect\$3 near3 area)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 09:15 |
| S15<br>1 | 567   | S150 and background  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 09:15 |
| S15<br>2 | 2     | S150 and (background same (insert\$3 and delet\$3))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 09:17 |
| S15<br>3 | 11    | S150 and (background same (insert\$3 or delet\$3))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 09:17 |
| S15<br>4 | 26    | ("20010050689"   "2711667"   "4276570"   "4841575"   "5933151"   "6054999"   "6611613"   "6654018").PN. OR ("6919892").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/14 09:38 |
| S15<br>5 | 90    | ((detect\$3 with outline)same background) and (ID or identification)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 09:40 |

## EAST Search History

|          |       |  |   |    |    |                  |
|----------|-------|--|---|----|----|------------------|
| S15<br>6 | 12    | S155 and (detect\$3 adj area)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:54 |
| S15<br>7 | 38    | S155 and (detect\$3 near4 area)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:41 |
| S15<br>8 | 82296 | (id or identification) with (card or passport or driver) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:56 |
| S15<br>9 | 11354 | S158 and (camera or ccd)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:56 |
| S16<br>0 | 4751  | S159 and photograph\$3                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:56 |
| S16<br>1 | 1006  | S160 and outline   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:57 |
| S16<br>2 | 567   | S151 and background                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:57 |
| S16<br>3 | 567   | S162 and detect\$3                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 09:58 |
| S16<br>4 | 567   | S162 and (detect\$3 near3 area)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:00 |
| S16<br>5 | 1     | S164 and (gradat\$3 adj difference)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:00 |

## EAST Search History

|          |      |   |   |    |    |                  |
|----------|------|---|---|----|----|------------------|
| S16<br>6 | 70   | S164 and template   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:01 |
| S16<br>7 | 59   | S166 and camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:09 |
| S16<br>8 | 21   | S167 and ccd  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:01 |
| S16<br>9 | 4247 | photograph\$3 near3 (ID or identification)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:10 |
| S17<br>0 | 2302 | photograph\$3 near3 ((ID or identification)with card or passport or driver) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:10 |
| S17<br>1 | 241  | S170 and outline  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:10 |
| S17<br>2 | 195  | S171 and detect\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:11 |
| S17<br>3 | 188  | S172 and background   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:11 |
| S17<br>4 | 164  | S173 and detect   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:11 |
| S17<br>5 | 6    | S173 and (detect\$3 adj area)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:13 |

## EAST Search History

|          |       |   |   |    |    |                  |
|----------|-------|---|---|----|----|------------------|
| S17<br>6 | 390   | kernel same (edge adj detect\$3)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:14 |
| S17<br>7 | 0     | S176 and gradat   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:14 |
| S17<br>8 | 0     | S176 and (gradat\$3 adj difference)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:14 |
| S17<br>9 | 200   | S176 and (ID or identification)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:15 |
| S18<br>0 | 139   | S179 and (insert\$3 or delet\$3)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:16 |
| S18<br>1 | 111   | S180 and camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:18 |
| S18<br>2 | 61223 | (ID or identification)near3 (picture or image or photograph or frame) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:19 |
| S18<br>3 | 13403 | S182 and camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:20 |
| S18<br>4 | 5800  | S183 and card   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:20 |
| S18<br>5 | 1371  | S184 and outline  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:20 |

## EAST Search History

|          |       |  |   |    |    |                  |
|----------|-------|--|---|----|----|------------------|
| S18<br>6 | 244   | S185 and template  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:21 |
| S18<br>7 | 241   | S186 and background  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:27 |
| S18<br>8 | 269   | ((outline or template)same (detect\$3 with area)) and ID and (photograph or image or picture or frame) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:28 |
| S18<br>9 | 221   | S188 and background  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:29 |
| S19<br>0 | 88    | S189 and (camera)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:53 |
| S19<br>1 | 48380 | outline near3 figure   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:53 |
| S19<br>2 | 1642  | S191 and camera  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:53 |
| S19<br>3 | 525   | S192 and photograph\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:54 |
| S19<br>4 | 165   | S193 and detect\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 10:54 |
| S19<br>5 | 44    | S194 and (identification or id)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 11:23 |

## EAST Search History

|          |       |  |   |    |     |                  |
|----------|-------|--|---|----|-----|------------------|
| S19<br>6 | 318   | reference adj outline  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 11:23 |
| S19<br>7 | 42250 | outline near2 figure   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 11:23 |
| S19<br>8 | 5     | S196 and S197  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 11:34 |
| S19<br>9 | 185   | photograph\$3 with ((identification or id) adj (picture or image))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 11:35 |
| S20<br>0 | 13    | S199 and outline   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 11:43 |
| S20<br>1 | 3     | "6813395".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 11:43 |
| S20<br>2 | 10    | ("5579471"   "5802361"   "6169998"   "6243713"   "6411953"   "6477269").PN. OR ("6813395").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/14 11:44 |
| S20<br>3 | 29    | ("20020028071"   "20020114535"   "20020152291"   "20020191860"   "3956758"   "4317620"   "4384336"   "4423936"   "4541704"   "4605970"   "4724330"   "5091654"   "5227889"   "5345284"   "5384615"   "5486893"   "5500711"   "5511148"   "5517242"   "5666186"   "5900909"   "5978519"   "6067112"   "6289110"   "6556721"   "6671405"   "6686970"   "6728407"   "6813395").PN. OR ("7133571").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/14 11:59 |
| S20<br>4 | 3964  | detect\$3 with outline   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/14 11:59 |

## EAST Search History

|          |       |  |   |    |     |                  |
|----------|-------|--|---|----|-----|------------------|
| S20<br>5 | 44    | detect\$3 with (outline near figure)             | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/14 12:00 |
| S20<br>6 | 5     | S205 and camera                                  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/14 13:22 |
| S20<br>7 | 168   | identification adj photograph                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2007/06/14 13:25 |
| S20<br>8 | 22    | tak\$3 with (identification adj photograph)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2007/06/14 13:59 |
| S20<br>9 | 21005 | composite near3 image                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2007/06/14 13:59 |
| S21<br>0 | 13095 | composite adj image                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2007/06/14 13:59 |
| S21<br>1 | 1624  | S210 and Id                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2007/06/14 14:00 |
| S21<br>2 | 3     | S211 and ((ID or identification) adj photograph) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2007/06/14 14:04 |
| S21<br>3 | 289   | (composite adj image\$1) same template           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2007/06/14 14:05 |
| S21<br>4 | 52    | S213 and outline                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2007/06/14 14:05 |
| S21<br>5 | 21    | S214 and camera                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO             | OR | OFF | 2007/06/14 14:17 |
| S21<br>6 | 4638  | template near image                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 14:17 |

## EAST Search History

|          |      |                                   |   |    |    |                  |
|----------|------|-----------------------------------|---|----|----|------------------|
| S21<br>7 | 2082 | S216 and camera                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 14:18 |
| S21<br>8 | 830  | S217 and identification           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 14:18 |
| S21<br>9 | 12   | S218 and (detect\$3 with outline) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 14:34 |
| S22<br>0 | 1859 | template with outline             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 14:34 |
| S22<br>1 | 221  | S220 and camera                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 14:34 |
| S22<br>2 | 146  | S221 and detect\$3                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 14:35 |
| S22<br>3 | 134  | S222 and area                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 14:35 |
| S22<br>4 | 46   | S223 and identification           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 14:41 |
| S22<br>5 | 49   | (detection adj area) same outline | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 14:42 |
| S22<br>6 | 22   | S225 and camera                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/06/14 14:43 |

## EAST Search History

|          |     |   |   |    |     |                  |
|----------|-----|---|---|----|-----|------------------|
| S22<br>7 | 20  | (detection adj area) same<br>(reference)same (outline or template)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 14:44 |
| S22<br>8 | 15  | S227 and camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 14:46 |
| S22<br>9 | 238 | kernel same outline   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 14:46 |
| S23<br>0 | 206 | S229 and reference  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 14:46 |
| S23<br>1 | 60  | S230 and identification   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 15:21 |
| S23<br>2 | 108 | pixel with (gradat\$3 adj difference)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 15:21 |
| S23<br>3 | 31  | S232 and camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 15:31 |
| S23<br>4 | 3   | "6813395".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/14 15:31 |
| S23<br>5 | 10  | ("5579471"   "5802361"   "6169998"  <br>"6243713"   "6411953"   "6477269").<br>PN. OR ("6813395").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/14 15:38 |
| S23<br>6 | 1   | "5978519".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/14 16:47 |
| S23<br>7 | 1   | "7133571".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/14 16:47 |

## EAST Search History

|          |       |   |   |    |     |                  |
|----------|-------|---|---|----|-----|------------------|
| S23<br>8 | 3     | "6813395".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/18 09:55 |
| S23<br>9 | 2     | "6005977".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/18 10:12 |
| S24<br>0 | 2184  | figure adj outline  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/18 10:12 |
| S24<br>1 | 5     | S240 and (detection adj area)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/18 10:26 |
| S24<br>2 | 11911 | detection adj area  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/18 10:26 |
| S24<br>3 | 3151  | S242 and camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/18 10:26 |
| S24<br>4 | 290   | S243 and outline  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/18 10:27 |
| S24<br>5 | 273   | S244 and image  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/06/18 10:27 |
| S24<br>6 | 9     | ("20040047494"   "20040105672"  <br>"6072496"   "6211903"   "6301370"  <br>"6437808"   "6529630").PN. OR<br>("6885761").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/06/18 11:39 |
| S24<br>7 | 23963 | detect\$3 adj area  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/09/12 14:13 |

## EAST Search History

|          |       |  |   |    |     |                  |
|----------|-------|--|---|----|-----|------------------|
| S24<br>8 | 12218 | detection adj area   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/09/12 14:13 |
| S24<br>9 | 12    | detection adj area with outline same frame   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/09/12 14:16 |
| S25<br>0 | 18352 | outline same ID  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/09/12 14:16 |
| S25<br>1 | 2     | outline same ID adj photograph   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/09/12 14:17 |
| S25<br>2 | 14    | ("20010026371"   "20010035875"  <br>"5592305"   "5745664"   "5870771"  <br>"6195101"   "6201548"   "6282330"  <br>"6326983"   "6393162"   "6424752"  <br>"6441827"   "6557017"   "6654506").<br>PN. OR ("7209149").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/09/12 14:19 |